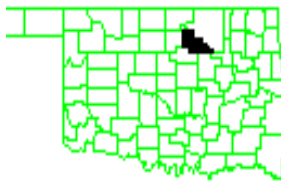


**HUDSON REFINERY**  
**SUPERFUND SITE**  
**Cushing, Oklahoma**



**EPA Region 6**  
**EPA ID# OKD98062072**  
**U.S. Congressional District: 3**  
**Fact Sheet Updated: April 2000**

**SITE DESCRIPTION** 

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- Location:** The Hudson Refinery site is located in Cushing, Payne County, Oklahoma. Surrounding the site are residential and agricultural land to the north. Commercial properties are located to the south. Highway 33 (Main Street) separates the site into a “north” and “south” refinery.
- Setting:** Historical aerial photographs indicate the site operated as a refinery beginning as early as the mid-1930s. Refining operations ended in 1982, and the site was abandoned. The majority of the tanks have been removed from the tank farm areas. Some tanks, however, have been partially salvaged, compromising tank integrity, and many of the tanks remaining contain residual materials. The site includes partially razed and abandoned equipment and structures, above-ground storage tanks, drums, wastewater treatment impoundments, piles of suspected tank bottoms, separators, stained soils, a land treatment unit, loose and friable asbestos containing material, and at least two buildings where various chemicals are stored. Runoff from the site enters onsite wetlands and Skull Creek, a tributary of the Cimarron River.
- Population:** The site is located in Cushing, Oklahoma, in an area that includes residential and commercial properties.

**WASTES AND VOLUMES** 

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EPA identified six sources of contamination at the site during a 1998 removal assessment and a 1998-1999 expanded site inspection. The north and south refineries contain a 10-acre land treatment unit, a tank which contained 6,000 gallons of hydrofluoric acid, two areas of contaminated soil, storage tanks containing tetraethyl lead and several other storage tanks. There are approximately 3.4 miles of piping and 96 vessels that may also contain hydrofluoric acid. Elevated levels of chromium, mercury, polynuclear aromatic hydrocarbons (PAHs), and

polychlorinated biphenyls (PCBs), as well as pure hydrofluoric acid and tetrethyl lead, were detected in the sources at the site. Elevated levels of chromium and mercury also were detected in wetlands associated with a former biotreatment pond at the site.

## NATIONAL PRIORITIES LIST

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NPL Inclusion Proposal Date: April, 1999

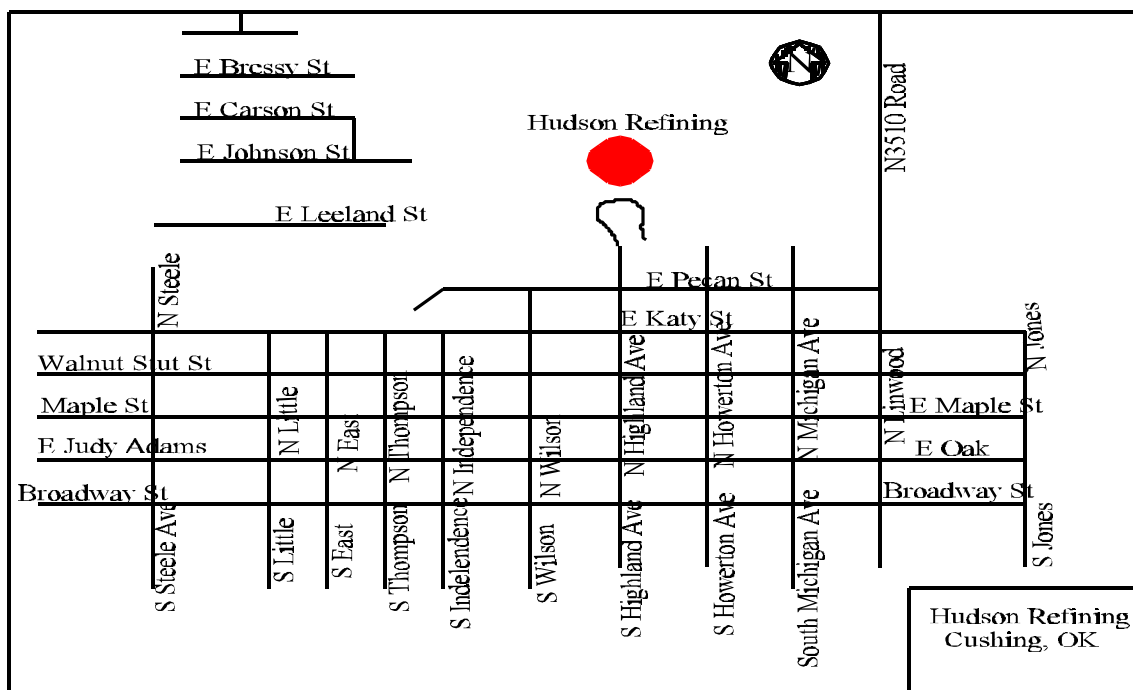
NPL Inclusion Final Date: July 19, 1999

NPL Deletion Proposal Date: n/a

NPL Final Deletion Date: n/a

## SITE MAP

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## **SITE HISTORY**

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1. The Hudson Refinery site, presently owned by Quantum Realty Company, (Quantum), is an inactive refinery that produced liquid propane gas, gasoline, diesel fuel, fuel oils, and coke from 1922 to 1984.
2. EPA determined that the site presented an imminent and substantial threat to public health and the environment and on August 10, 1998, approved a \$1 million ceiling to initiate a classic emergency removal action at the site
3. On August 11, 1998, representatives from EPA, Superfund, the Oklahoma Department of Environmental Quality (ODEQ) and the Oklahoma Department of Labor (OKDOL) visited the Site to discuss EPA's planned emergency response.
4. The asbestos abatement contractors mobilized to the site on September 30, 1998. They constructed a 124 foot by 20 foot decontamination tent and windwalls on the site.
5. The U.S. Coast Guard Gulf Strike Team mobilized to the site on September 30, 1998, to perform safety oversight.
6. In late October 1998, a small vapor release of Hydrofluoric acid ("HF") from a valve on a 12,000 gallon tank on the north side of the Hudson Refinery site was discovered.
7. In December 1998, EPA contractors transferred the liquid contents of the tank to an inter-modal container.
8. EPA identified six sources of contamination at the site during a 1998 removal assessment and a 1998-1999 expanded site inspection.
9. During a December 1998 emergency removal action, EPA transferred the 6,000 gallons of hydrofluoric acid into stable containers (which remain on the site) pending disposal under a removal action.
10. On March 4, 1999, the Agency for Toxic Substances and Disease Registry (ATSDR) issued a public health advisory for the Hudson Refinery site because of the immediate threats to public health posed by hydrofluoric acid and tetraethyl lead, as well as asbestos, found at the site.

## **PRESENT STATUS AND ISSUES**

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EPA is evaluating information on potentially responsible parties to assist on the future Remedial Investigation/Feasibility Study (RI/FS) at the Site.

## **RECORD OF DECISION**

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The Record of Decision (ROD) will be issued after the RI/FS and Proposed Plan are developed and reviewed and public comment is received.

## **COMMUNITY INVOLVEMENT**

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Site Mailing List:

EPA Open Houses: December 1, 1998

Site Status Fact Sheets: November 25, 1998, December 11, 1998

EPA Formal Meetings: None  
Community Relations Plan: In Development  
Constituency Interest: Nearby residents concerned about ground water issues and are supportive of State and EPA efforts.  
Site Repository: Cushing Public Library, 100 Judy Adams Boulevard, Cushing, Oklahoma 74023-0311 (918-225-4188)

## **TECHNICAL ASSISTANCE GRANT**

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Availability Notice: 07/99  
Letters of Intent Received:  
Final Application Received: n/a  
Grant Award: n/a

## **SITE CONTACTS**

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EPA Remedial Project Manager: Vincent Malott 214-665-8313 or 1-800-533-3508  
EPA On-Scene Coordinator: Pat Hammack 214-665-2214 or 1-800-533-3508  
EPA Community Involvement: Donn Walters, 214-665-6483 or 1-800-533-3508  
EPA Enforcement Officer: Richard Warrell, 214-665-6653 or 1-800-533-3508  
EPA Civil Investigator: Janice Bivins, 214-665-6717 or 1-800-533-3508  
EPA Site Attorney: Michael Boydston 214-665-7376  
EPA Ombudsman: Arnold Ondarza 214-665-6790 or 1-800-533-3508  
EPA Contractor: N/A  
ODEQ Project Manager: Kathy Buckley, 405-702-5121